Surface Water Treatment Rule

System Type - SW and GUI that use alternative filtration systems

System Name:

PWSID#:

Reporting period:

Signature: _____Date:_____

System Information

Treatment plant/pump station:

Notes:

Disinfectant Residual at the entrance to the system

Date	Daily min. mg/L	Date	Daily min. mg/L	Date	Daily min. mg/L
1		12		23	
2		13		24	
3		14		25	
4		15		26	
5		16		27	
6		17		28	
7		18		29	
8		19		30	
9		20		31	
10		21			
11		22			

Are any entrance values < 0.2 mg/L? ☐ No ☐ Yes

If yes, list dates and the duration the level was < 0.2mg/L

Date	Duration (hrs)	Date reported

Disinfectant Residual in the system

a =		# of samples w/Cl_2 residual
b =		# of samples where Cl_2 is not meas. but HPC's are
c =		# of samples with Cl_2 not detected & no HPC
d =		# of samples with Cl_2 not detected & HPC > 500/mL
e =		# of samples where Cl_2 is not meas. & HPC > 500/mL

$V = \frac{(c+d+e)}{(a+b)} \times 100$

current month V =

previous month V=

Is V > 5% for 2 months? ☐ No ☐ Yes

Filter Turbidity Data

Highest turbidity measurement for the month:	
Total number of turbidity measurements for the month:	
Total number less than 1NTU for the month:	
Percent for the month meeting this limit:	
Is this less than 95%?	☐ No ☐ Yes
Max. single day turbidity limit:	5 NTU
Did any samples exceed this in the month?:	☐ No ☐ Yes

If yes, list turbidity sample date and value:

Date	Value	Date reported

Inactivation of Giardia for systems using Chlorine

Date	Dis. Conc."C" (mg/L)	peak flow (gpm)	Disinfectant contact time "T" (min)	CT_{calc} (=CxT)	pH	Water Temp. (deg. C)	$CT_{99.9}$ (calculated using equation or tables)	$CT_{calc}/CT_{99.9}$ inactivation ratio	$(CT_{calc}/CT_{99.9})*3$ = log inactivation
1									
2									
3									
4									
5									
6									
7									
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